

04CO
03/08/01

OIPE

#2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/779,957

DATE: 03/07/2001
TIME: 11:06:12

Input Set : A:\Mbx 0381.app
Output Set: N:\CRF3\03072001\I779957.raw

ENTERED

```

3 <110> APPLICANT: Snell, Kristi D.
5 <120> TITLE OF INVENTION: Multi-Gene Expression Constructs Containing Modified
6 Inteins
8 <130> FILE REFERENCE: MBX 038
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/779,957
C--> 11 <141> CURRENT FILING DATE: 2001-02-09
13 <160> NUMBER OF SEQ ID NOS: 2
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 1617
19 <212> TYPE: DNA
20 <213> ORGANISM: Pyrococcus sp.
22 <220> FEATURE:
23 <221> NAME/KEY: misc_feature
24 <222> LOCATION: (1)..(3)
25 <223> OTHER INFORMATION: Asparagine residue encoded at N-terminal extein
26 junction point
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (1615)..(1617)
31 <223> OTHER INFORMATION: Serine residue encoded at C-terminal extein
32 junction point
34 <400> SEQUENCE: 1
35 aacagcattt taccggaaga atgggttcca ctaattaaaa acggtaaaagt taagatattc 60
36 cgcattgggg acttcgttga tggactttag aaggcgaacc aaggaaaagt gaagaaaacg 120
37 ggggatacag aagttttaga agttgcagga attcatgcgt tttccttta caggaagtcc 180
38 aagaaggccc gtgtaatggc agtgaaagcc gtgataagac accgttattc cgaaatgtt 240
39 tatagaatag tcctaaactc tggtagaaaa ataacaataa cagaaggcga tagcttattt 300
40 gtctatagga acggggatct cggttggaggca actggggagg atgtcaaaat tgggatctt 360
41 ctgcagttc caagatcagt aaacctacca gagaaaagg aacgcgttga tattgttcaa 420
42 ctcttctga atctctcacc ggaagagaca gaagatataa tacttagat tccagttaaa 480
43 ggcagaaaaga acttcttcaa gggaatgtt agaacattac gttggattt tggtagggaa 540
44 aagagagtaa ggacagcgag ccgcatacata agaacacattt aaaaatctcg atacataagg 600
45 ttggggaaaa ttggatacga catcattgtt aaggaggggc ttgagaaata tagaacgtt 660
46 tacgagaaaaac ttgttgcatt tgccgttat aatggcaaca agagagagta ttttagttgaa 720
47 ttaatgtctg tccgggacgt tatctacta atgccagagg aagaactgaa ggaatggcgt 780
48 attggaaacta gaaatggatt cagaatgggt acgttgcgtat atattgttga agatttgccc 840
49 aagcttcttg gctactatgt gagcgaggga agtgcgagga agtggaaata tcaaactgga 900
50 ggttggagtt acactgttagt attgtacaac gagaacgtat aagttcttga cgacatggaa 960
51 cacttagcca agaagtttt tggggaaatgc aaacgtggaa agaactatgt tgagatacca 1020
52 aagaaaatgg cttatatcat ctttgagagc ctttgtggg ctttggcaga aaacaaaagg 1080
53 gttcctgagg taatctttac ctcatcaaag ggcgttagat gggccttct tgagggttat 1140
54 ttcatcggcg atggcgtatgt tcacccaagg aagagggttc gcctatcaac gaagagcgag 1200
55 cttttagtaa atggccttgc ttcctactt aactcccttgc gatgtatctgc cattaagctt 1260
56 ggatacgata gggggatcta cagggtttat gtaaacgagg aacttaagtt tacgaaatac 1320
57 agaaagaaaa agaatgtata tcactctcac attgttccaa aggatattct caaagaaaact 1380
58 ttggtaagg tcttccagaa aaatataagt tacaagaaaat ttagagagct tgttagaaaaat 1440

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/779,957

DATE: 03/07/2001
TIME: 11:06:12

Input Set : A:\Mbx_0381.app
Output Set: N:\CRF3\03072001\I779957.raw

59 gggaaaacttg acagggagaa agccaaacgc attgagtgg tttttaacgg agatatagtc 1500
60 ctagatagag tcttagagat taagagagag tactatgtg gttacgttta cgatctaagt 1560
61 gtcgatgaag atgagaattt ctttgcgtgc tttggattcc tctatgcaca taatagc 1617
64 <210> SEQ ID NO: 2
65 <211> LENGTH: 600
66 <212> TYPE: DNA
67 <213> ORGANISM: Mycobacterium xenopi
69 <220> FEATURE:
70 <221> NAME/KEY: misc_feature
71 <222> LOCATION: (1)..(3)
72 <223> OTHER INFORMATION: Tyrosine residue encoded at N-terminal extein
73 junction point
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (558)..(600)
78 <223> OTHER INFORMATION: Threonine residue encoded at C-terminal extein
79 junction point
81 <400> SEQUENCE: 2
82 tactgcattca cgggagatgc gctgggtgcc ctacccgagg gcgagtcggt acgcacgcc 60
83 gacatcggtgc cgggtgcgcg gccaacagt gacaacgcca tcgacctgaa agtccttgc 120
84 cggcatggca atccccgtgc cggccgaccgg ctgttccact ccggcgagca tccgggtgtac 180
85 acgggtgcgtac cgggtcgagg tctgcgtgtc acgggcaccgg cgaaccaccc gttgttgtgt 240
86 ttgggtcgacg tcgcgggggt gcccggccctg ctgtggaaagc tgatcgacga aatcaagccg 300
87 ggcgattacgc cggtgattca acgcagcgca ttccagcgtcg actgtcgagg ttttgcggc 360
88 ggaaaaccccg aatttgcggcc cacaacctac acagtccggcg tccctggact ggtgcgttgc 420
89 ttggaaagcac accaccgaga cccggacgcc caagctatcg ccgacgagct gaccgacggg 480
90 cggtgtctact acgcgaaagt cggcgtgtc accgacgccg gcgtgcagcc ggtgtatagc 540
91 cttcgtgtcg acacggcaga ccacgcgtt atcacaacgc ggttcgtcag ccacaacacc 600

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/779,957

DATE: 03/07/2001

TIME: 11:06:13

Input Set : A:\Mbx 0381.app

Output Set: N:\CRF3\03072001\I779957.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date